Next Generation Air Transportation System
Joint Planning and Development Office

Overview of the JPDO Environment Integrated Product Team (EIPT)

22nd Annual UC Symposium on Aviation Noise and Air Quality

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The Next Generation Air Transportation System

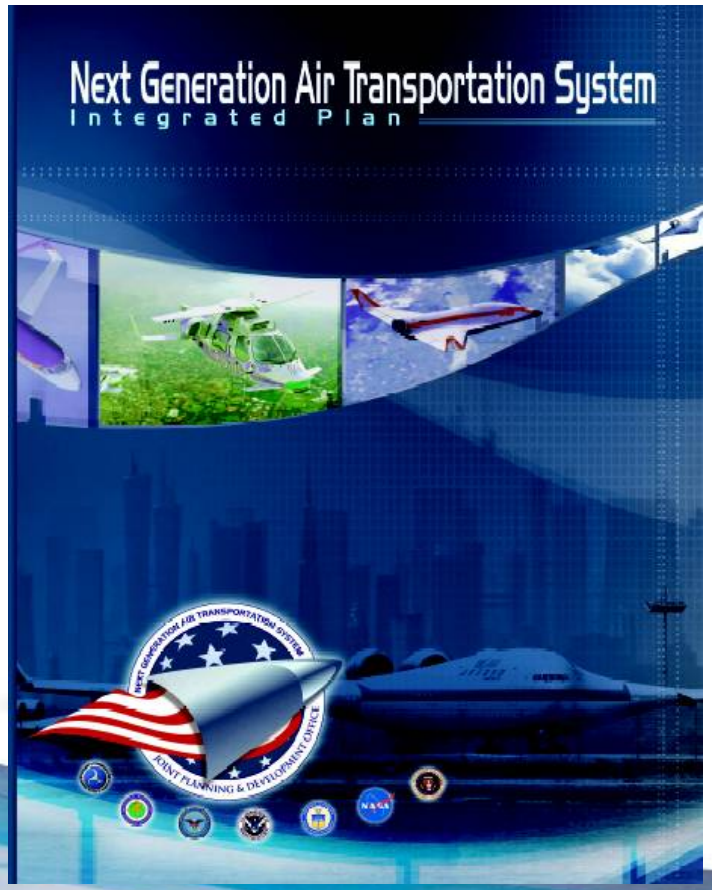
- The Next Generation Air Transportation System (NGATS or NextGen) refers to an initiative started in 2003 to transform the U.S. air transportation system by 2025.
- In contrast to today's system, the Next Generation Air Transportation System will be more flexible, resilient, scalable, adaptive, and highly automated – meeting up to two to three times current demand.

Former Secretary of Transportation Norman Y Mineta said in 2004,

"The changes that are coming are too big, too fundamental for incremental adaptations of the infrastructure we need to modernize and transform our air transportation system – starting right now."

The NGATS *Integrated Plan*

The *NGATS Integrated Plan* is a plan to ensure that the NGATS meets air transportation safety, security, mobility, efficiency, and capacity needs beyond those currently included in the FAA's "Operational Evolution Plan," and was delivered to Congress in December, 2004



NGATS Vision/Goals:

A transformed air transportation system that provides services tailored to individual customer needs, allows all communities to participate in the global economy, and seamlessly integrates civil and military operations

Expand Capacity

Ensure Safety

Ensure our National Defense

Retain U.S. Leadership in Global Aviation

Protect the Environment

Secure the Nation

Download .pdf version of the plan at www.jpdo.aero

The JPDO and Environment IPT

- **The Joint Planning and Development Office:** In 2003, President Bush and Congress took the first decisive steps with the enactment of VISION 100 – Century of Aviation Reauthorization Act (P.L. 108-176). It laid out the mandate for NGATS initiative and proposed a unique public/private partnership managed by the JPDO to carry it out.
  - ➢ It includes the Departments of Transportation, Defense, Homeland Security and Commerce and the FAA, NASA and White House Office of Science and Technology Policy.

- **The Environment IPT:** One of eight IPT's that have been established within the JPDO to execute the *NGATS Integrated Plan,* charged with achieving the *NGATS Integrated Plan* strategy to:
  - ➢ ***Develop Environmental Protection that Allows Sustained Aviation Growth***

How is the JPDO Managed?

All facets of the NGATS Plan are managed by an Inter-Agency Governance Model under the auspices of the JPDO

Senior Interagency Policy Committee

- Guides and approves the National Integrated Plan

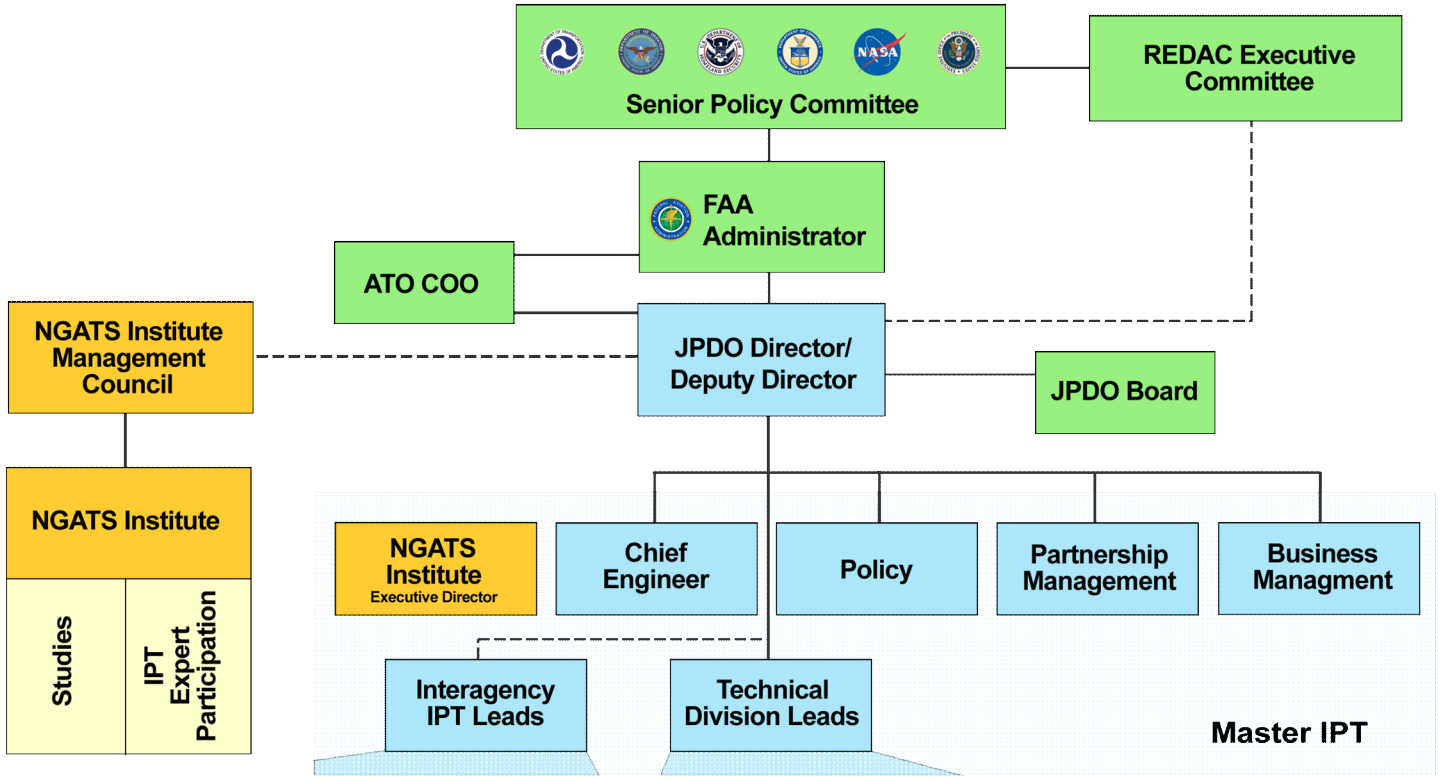
Joint Planning and Development Office (JPDO)

- Develops and oversees implementation of the National Integrated Plan

Inter-Agency Integrated Product Teams

- Develops and oversees implementation of Action Plans

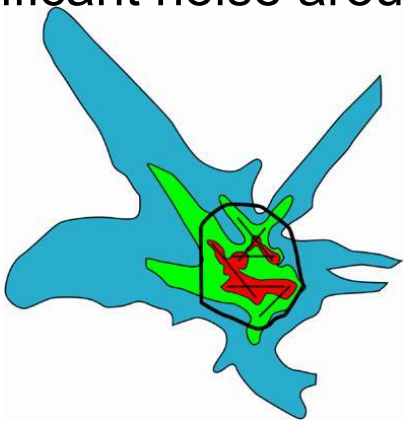
JPDO Organization



EIPT Challenges

Community Noise Impacts

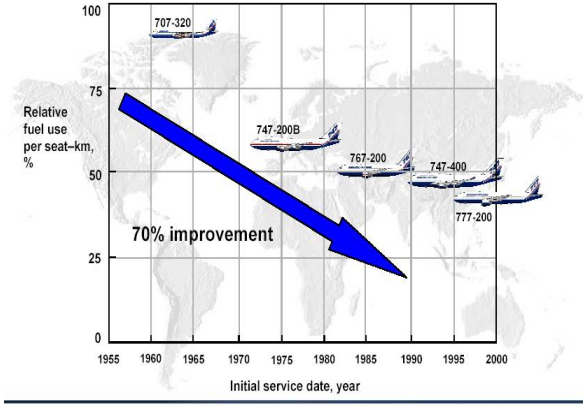
Reducing and mitigating significant noise around airports



Air Quality

Limiting or reducing significant impact on local air quality

Energy



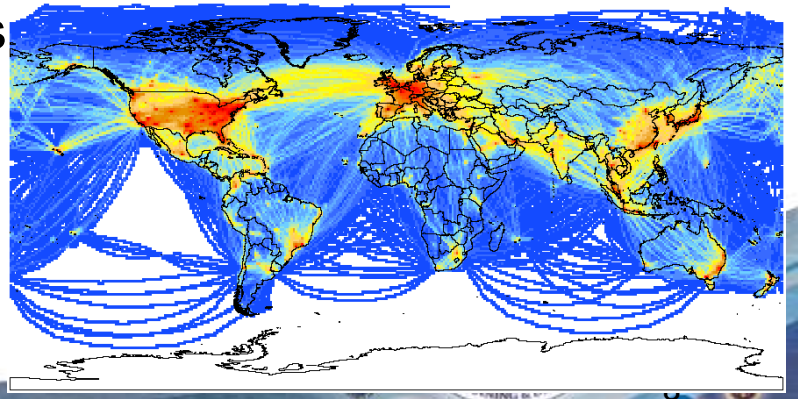
Progress in fuel efficiency/alt fuels

Water Quality

Reducing significant water quality impacts

Global Climate

Addressing aviation's effect on global climate



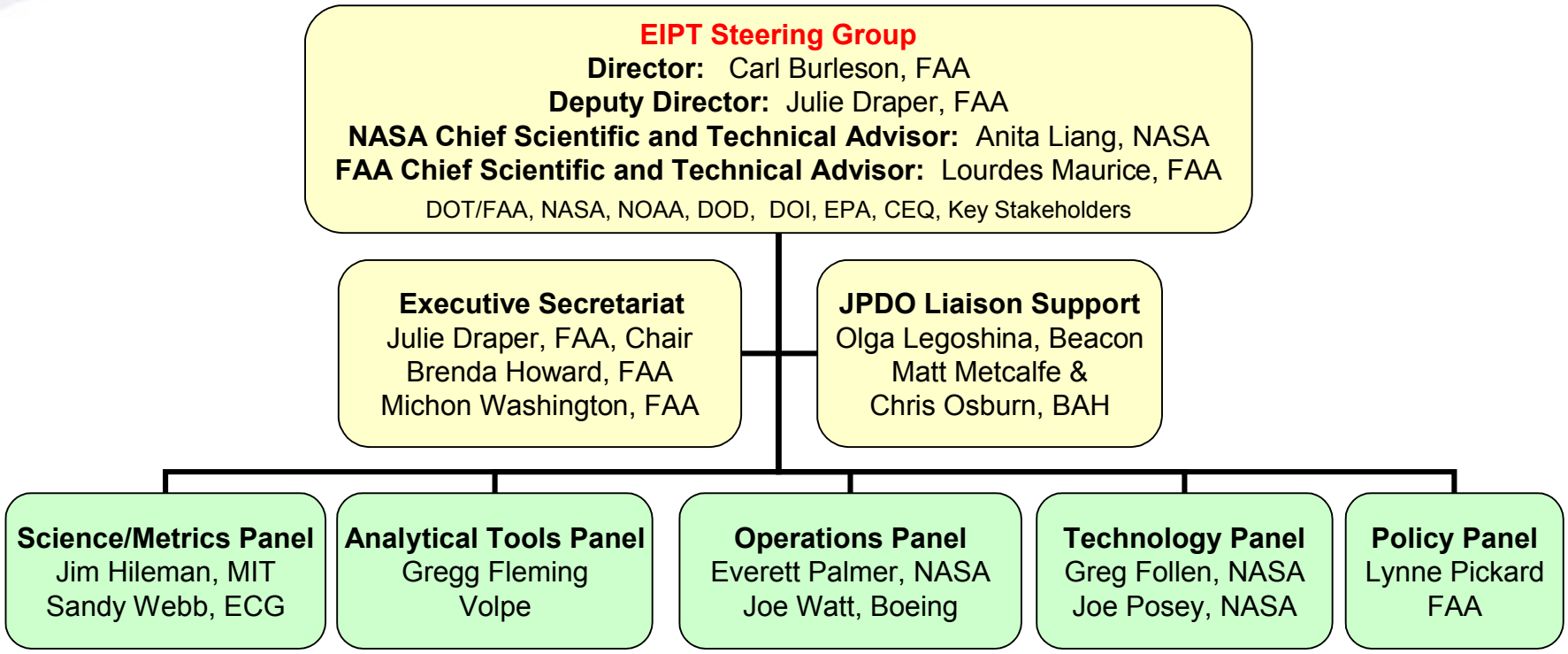
EIPT 2025 Vision: To Provide Environmental Protection that Allows Sustained Aviation Growth

- By 2025, the significant impact of aviation on community noise, local air quality and water runoff will be reduced in absolute terms, even with the anticipated growth in aviation.

- Uncertainties regarding the contribution of aviation to climate change and the health effects of emissions will be reduced to a level that enables appropriate actions to address these effects. Communities will value airports as gateways to the national and international transportation network.

- Through broad and sustained commitment among all stakeholders, U.S. aerospace will be the global leader in researching, developing, and implementing technological, operational and policy initiatives that address mobility and environmental needs.

EIPT Organization



The EIPT is staffed with members from government, academia, industry, and others responsible for researching, developing, implementing, and maintaining environmental protection strategies.

EIPT Panel Activities

Science/Metrics Panel

Develop new metrics, advancing science on health and welfare impacts, and advancing public education

Develop analytical tools for aviation noise and emissions impacts, and analysis of costs/benefits of mitigation techniques

Analytical Tools Panel

Operations Panel

* Near-term new operational procedures implementation and advanced procedures.
* Focus on: Low noise/emission approaches, and more efficient surface paths and minimizing surface delays

EIPT Panel Activities (cont.)

Technology Panel

* Formulate strategies for technology development (engine, airframe, fuel) to address noise/emission environmental issues.
* Provide drivers for investment in noise/emissions technology development efforts.

Policy Panel

Propose policies to address the environmental impacts of aviation within a 20-year timeframe (2005-2025), as well as specific policy initiatives to mitigate impacts (e.g., land use, home insulation, market-based options).

>> For more information on Panel Activities, including FY06 accomplishments and FY07-08 activities, contact Michon Washington, EIPT Secretariat Support, at michon.washington@faa.gov for a copy of the *EIPT FY07-08 Work Plan*.

EIPT Internal Communication & Coordination

- Face to Face Meetings:
  - The Steering Group meets twice a year with Panel Chairs; usually January and July
  - The Panel Chairs meet quarterly
  - Individual Panels meet on an as needed basis
- Monthly Teleconferences:
  - Steering Group with Panel Chairs
  - Secretariat with Panel Chairs
  - Individual Panels, dependent on schedule and needs
- Electronic Mail:
  - Important notices, meeting minutes, and action items are communicated via e-mail

Need Additional Information?

- **JPDO**
  - **http://www.jpdo.aero/index.html**
  - **Background questions and answers: http://www.jpdo.aero/factsheet.html**

- **EIPT**
  - **Contact Michon Washington, EIPT Secretariat Support, at michon.washington@faa.gov for *EIPT FY07-08 Work Plan***